

PTO/SB/08A (08-03)

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1

of 7

Complete if Known

Application Number	09/774,284
Filing Date	01/29/2001
First Named Inventor	Samuel Nochumson
Art Unit	1623
Examiner Name	Howard Owens Jr.
Attorney Docket Number	213-0060US

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
H/O	1	US- 3,928,642	12/23/1975	Hubert et al.	
	2	US- 4,314,974	02/09/1982	Libby et al.	
	3	US- 4,450,103	05/22/1984	Konrad et al.	
	4	US- 4,462,940	07/31/1984	Hanisch et al.	
	5	US- 4,621,061	11/04/1986	Puehler et al.	
	6	US- 4,780,210	10/25/1988	Hsia	
	7	US- 4,900,677	02/13/1990	Hewitt	
	8	US- 4,997,932	03/05/1991	Reardon et al.	
	9	US- 5,057,426	10/15/1991	Henco et al.	
	10	US- 5,096,818	03/17/1992	DeBonville	
	11	US- 5,208,160	05/04/1993	Kikytani et al.	
	12	US- 5,256,294	10/26/1993	van Reis	
	13	US- 5,300,433	04/05/1994	Hrinda et al.	
	14	US- 5,561,064	10/01/1996	Marquet et al.	
	15	US- 5,707,812	01/13/1998	Horn et al.	
	16	US- 5,990,301	11/23/1999	Colpan et al.	
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁵
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
H/O	W1	WO 87/07645	12/17/1986	Coates et al.		
	W2	WO 89/01035 (abstract only)	02/09/1989	Ansorge et al.		
	W3	WO 95/21177 (abstract only)	08/10/1995	Colpan et al.		
	W4	WO 97/23601	07/03/1997	Wan et al.		
	W5	EP 0 240 191	10/07/1987	Masafumi et al.		
	W6	EP 0 376 080	07/04/1990	Schneider		

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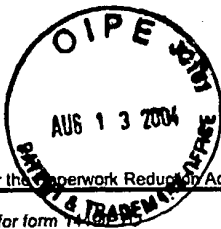


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NON PATENT LITERATURE DOCUMENTS

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Ho	P1	CARLSON et al., "Mechanical Disruption of Escherichia Coli For Plasmid Recovery," Biotechnology and Bioengineering, 48: 303-315, 1995. John Wiley & Sons, Inc., USA.	
Ho	P2	CHANDRA, G. et al., "Large-Scale Purification of Plasmid DNA by Fast Protein Liquid Chromatography Using a Hi-Load Q Sepharose Column," Analytical Biochemistry, 203: 169-172, 1992. Academic Press, USA.	
Ho	P3	COPPELLA, S. et. al., "Isolation of High-Molecular-Weight Nucleic Acids for Copy Number Analysis Using High-Performance Liquid Chromatography," Journal of Chromatography, 402: 189-199, 1987. Elsevier Science Publishers B.V., The Netherlands.	
	P4	Data Sheet TMAE	
Ho	P5	FILTRON Membrane Separation Products Brochure, 1995/96, 1-17.	
	P6	Fractogel EMD Process Media	
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	P9	Guide to Tentacle-Biochemistry www.chromatography.co.uk/products/bio/summary.htm	
Ho	P10	HANCHER et al., "Evaluation of Ultrafiltration Membranes with Biological Macromolecules," Chemical Abstracts, 79, abstract no. 88983n, October 1973. American Chemical Society, USA.	

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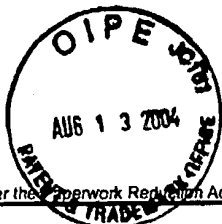
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Ho	P11	HEINZEL et al., "Autonomous DNA Replication in Human Cells is Affected by the Size and the Source of the DNA," Molecular and Cellular Biology, 11(4): 2263-2272, 1991. ASM Press, USA.	
	P12	HIRT, B., "Selective Extraction of Polyoma DNA from Infected Mouse Cell Cultures," Journal of Molecular Biology, 26: 365-369, 1967. Academic Press, USA.	
	P13	HORN, N. et al., "Cancer Gene Therapy Using Plasmid DNA: Purification of DNA for Human Clinical Trials," Human Gene Therapy, 6: 565-573, May 1995. Mary Ann Liebert, Inc. Publishers, USA.	
	P14	HOU, K.C. et al., "Endotoxin Removal by Anion-Exchange Polymeric Matrix," Biotechnology and Applied Biochemistry, 12: 315-324, 1990. Portland Press, USA.	
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	P16	KAHN et al., "Purification of Plasmid DNA by Tangential Flow Filtration," Biotechnology and Bioengineering, 69(1): 101-106, 2000. John Wiley & Sons, Inc., USA.	
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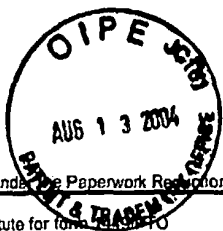
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Sheet 5 of 7

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Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	P21	MARQUET et al., "Process development for the manufacture of plasmid DNA vectors for use in gene therapy," BioPharm, 8(7): 34, 1995.	
	P22	MICHAELS et al., Wayne P. Olson, Editor, "Separations Technology, Pharmaceutical and Biotechnology Applications," 57-194, 1995. Interpharm Press, Inc., USA.	
	P23	MONTBRIAND, P.M. et al., "Improved Method for the Removal of Endotoxin from DNA," Journal of Biotechnology 44:43-46, 1996. Elsevier Sci. Pub. B.V., The Netherlands.	
	P24	MORELLE, G., "A Plasmid Extraction Procedure on a Miniprep Scale," Focus 11: 7-8, 1989. Life Technologies, Inc., USA.	
	P25	Pall KLEENPAK Ultipor N66 Filter Assembly Brochure	
	P26	Pall KLEENPAK Ultipor N66 Membrane Filter Guide	
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	P29	REMBHOTKAR et al., "Large Scale Preparation of Bacteriophage Lambda by Tangential Flow Ultrafiltration for Isolation of Lambda DNA," Anal. Biochem., 176: 373-374, May 1989. Elsevier Sci. Pub. B.V., The Netherlands.	
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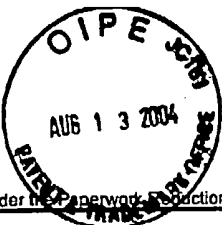
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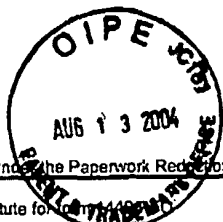
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	P31	SOLUM, N.O., "The Coagulogen of Limulus Polyphemus Hemocytes. A Comparison of the Clotted and Non-Clotted Forms of the Molecule," Thrombosis Research, 2: 55-70, 1973. Academic Press Inc., USA.	
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	P39	XP02216258 "Plasmid Midi and Maxi Preparations," Diagen: The Qiagenologist/Application Protocols: 3rd Ed. Nov. 1990, pg. 13-14.	
	P40	YATES et al., "Stable Replication of Plasmids Derived from Epstein-Barr Virus in Various Mammalian Cells," Nature, 313:812-815, 1985. Nature Publishing Group, UK.	

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	P41	ZASLOFF et al., "A New Method for the Purification and Identification of Covalently Closed Circular DNA Molecules," Nucleic Acids Research, 5: 1139-1153, 1978. Oxford University Press, UK.	
	P42	DURLAND et al., "Manufacturing and quality control of plasmid-based gene expression systems," Advanced Drug Delivery Reviews, 30: 33-48, 1998. Elsevier Scientific Pub. B.V., The Netherlands.	
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	P48	Sartopure GF Information Sheet from Sartorius.	

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